

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number  
**WO 2005/069718 A3**

(51) International Patent Classification<sup>7</sup>: **B65G 47/24**,  
29/00

(21) International Application Number:  
PCT/CA2005/000092

(22) International Filing Date: 24 January 2005 (24.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2,455,798 23 January 2004 (23.01.2004) CA

(71) Applicant (for all designated States except US): **D.I.T. EQUIPEMENTS INC.** [CA/CA]; 1400, Marie-Victorin #201, St-Bruno, Quebec J3V 6B9 (CA).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MILOT, Eric** [CA/CA]; 10395 Laverdure, Montreal, Quebec H3L 2L5 (CA).

(74) Agents: **DUBUC, J.** et al.; Goudreau Gage Dubuc, Stock Exchange Tower, 800 Place Victoria, Suite 3400, P.O. Box 242, Montreal, Quebec H4Z 1E9 (CA).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

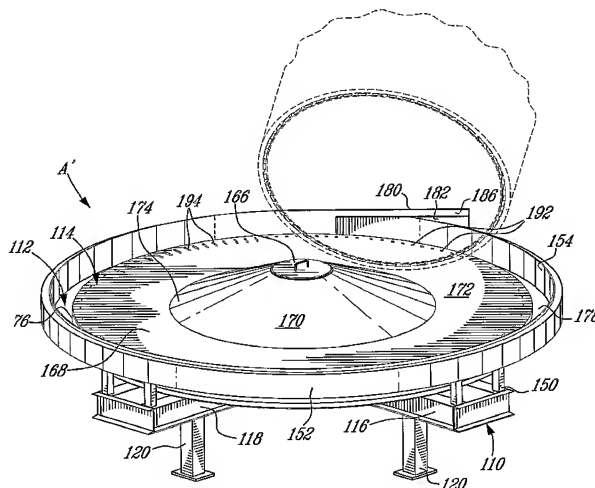
- with international search report
- with amended claims

(88) Date of publication of the international search report:  
16 March 2006

Date of publication of the amended claims: 11 May 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS FOR LONGITUDINALLY ALIGNING CONCRETE BLOCKS ON A CONVEYOR



(57) Abstract: An apparatus provided for orienting concrete blocks into a desired position comprises a pair of upper and lower turntables including respectively upper and lower block supporting surfaces. The lower supporting surface extends outwardly of, and below, the upper supporting surface. A stationary peripheral wall extends outwardly of the lower turntable and defines with the upper turntable and the lower supporting surface a gutter. The gutter is dimensioned to receive blocks therein in a substantially longitudinal orientation thereof. An outlet is provided at a downstream end of the gutter for allowing the substantially oriented blocks to be discharged from the apparatus. Therefore, concrete blocks, or the like, fed to the apparatus are received by the upper turntable, are then positioned in the gutter under the rotation of the upper and lower turntables, which typically rotate at different speeds, and are then discharged from the apparatus via the outlet.

WO 2005/069718 A3